

What is claimed:

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Sub A
1. A method for constructing a hose assembly comprising the steps of:

providing an inner tubular liner (12) of a fluorocarbon polymer;

positioning a braided layer (13) about the exterior of the inner tubular liner (12);

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said method characterized by the steps of;

15 applying a dispersion including a fluorocarbon polymer material (14) therein to the braided layer (13) and the inner tubular liner (12); and

20 applying a surfactant to the hose assembly (10) for distributing the dispersion throughout the braided layer (13) and about the inner tubular liner (12).

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2. A method as set forth in claim 1 further characterized by applying the surfactant to the inner tubular liner (12) prior to positioning the braided layer (13) about the inner tubular liner (12).

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3. A method as set forth in claim 2 further characterized by applying the surfactant to the inner tubular liner (12) by passing the inner tubular liner (12) through a reservoir containing the surfactant therein.

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4. A method as set forth in claim 2 further characterized by applying the surfactant to the inner tubular liner (12) by spraying the

surfactant about the inner tubular liner (12).

5. A method as set forth in claim 1 or 2 wherein the step of applying the dispersion throughout the braided layer and about the inner liner is further characterized by passing the inner tubular liner (12) with the braided layer (13) disposed thereabout through a reservoir containing the dispersion.

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5 further characterized by heating the hose assembly to remove the surfactant and carrying agent therefrom.

10 11. A method as set forth in claim 10 further characterized by sintering the hose assembly (10) to cure the polymeric fluorocarbon material into a fluorocarbon polymer coating (14), dispersed throughout the braided layer (13) and about the inner tubular liner (12).

15 12. A method as set forth in claim 11 further characterized by utilizing a non-metallic material for the braided layer (13).

20 13. A method as set forth in claim 12 further characterized by utilizing glass fiber for the braided layer (13).

25 14. A method as set forth in claim 11 further characterized by forming the inner tubular liner (12) by extrusion.

15. A method as set forth in claim 7 further characterized by utilizing water as the carrying agent in the dispersion.

30 16. A method as set forth in claim 1 further characterized by securing at least one coupling member (20) on the hose assembly (10) for fastening the hose assembly (10) to a fitting.

35 17. A method as set forth in claim 1 further characterized by positioning an integral

conductive means (16) coextensive with the length of the inner liner (12) to conduct an electrical charge along the inner liner (12).

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18. A method for constructing a hose assembly comprising the steps of: extruding an inner tubular liner (12) comprising a fluorocarbon polymer material; positioning a nonmetallic braided layer (13) about the exterior of the inner tubular liner (12); passing the inner tubular liner (12) having the braided layer (13) thereon through a reservoir containing a dispersion including a fluorocarbon polymer material, water, and surfactant therein; heating the hose assembly (10) to removing the surfactant and water therefrom; and sintering the hose assembly (10) to cure the polymeric fluorocarbon material into a fluorocarbon polymer coating (14) dispersed throughout the braided layer (13) and about the inner tubular liner (12).

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19. A method as set forth in claim 18 further characterized by applying the surfactant to the inner tubular liner (12) prior to positioning the braided layer (13) about the inner tubular liner (12).

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20. A method as set forth in claim 18 further characterized by securing at least one coupling member (20) to the assembly for fastening the same to a fitting.

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